

In re CHENG, et al.
09/743,717

IN THE CLAIMS

Please add new claims 14-21 as follows.

14. A device for detecting a parameter representative of a state associated with a glazing of a window of a motor vehicle including a module, comprising:

means for emitting at least one electromagnetic beam towards one face of the glazing;

means for receiving at least a part of the beam returned by said face; and

at least one insert at least partly implanted into a thickness of the glazing,

provided with a surface substantially opposite said face, said surface formed of a material that substantially reflects the beam in such a way that the beam, from inception to reception, undergoes a plurality of reflections in the thickness of the glazing, between the surface of the insert and the face of the glazing wherein said beam follows a path from said means for emitting to said one face of the glazing without passing through said insert.

15. The device according to claim 14, wherein the emitting means includes at least one emitting source implanted into the thickness of the glazing.

16. The device according to claim 14, wherein the emitting means includes at least one emitting source applied against one of the faces of the glazing.

17. Device according to Claim 13, characterized in that the receiving means include at least one sensor for detecting the said beam part returned, and applied against one of the faces of the glazing.

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18. Device according to Claim 13, characterized in that the receiving means include at least one sensor for detecting said beam part reflected, and implanted into the thickness of the glazing.

*Amended
§ 1*

19. Device according to Claim 18, wherein the emitting means are configured to emit a first electromagnetic beam intended to be at least partly returned by a front face of the glazing, as well as a second beam intended to be at least partly returned by a rear face of the glazing, with a view to detecting foreign substances on the front and/or rear faces of the glazing and the module includes at least one insert in the thickness of the glazing, equipped with a first reflecting surface opposite the front face, and with a second reflecting surface opposite the rear face, while the receiving means are configured to receive at least parts of the first and second beams, which are reflected respectively by the front and rear faces.

20. Device according to Claim 19, characterized in that the emitting means include first and second sources suitable for emitting the said first and second beams respectively, while the receiving means include a sensor for detecting the reflected parts of the first and second beams; and in that the first and second sources, as well as the said sensor, are applied against the same face of the glazing.

21. Device according to Claim 13, characterized in that the module includes a luminous-flux sensor inserted into the thickness of the glazing.

22. Device according to Claim 13, characterized in that, the glazing comprises a spacer of chosen thickness, said module is at least partly implanted into the thickness of the said spacer.